

BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

ME OF WORK : CONSTRUCTION OF COMPOUND WALL AT FARMERS MARKET IN WARD NO.01 OF YELAHANKA SUB-DIVISION

Description of Item	Unit	No.	Estimate Cost Rs.				9.85	Lakhs
			L	B	D	Qty.	Rate	Amount
KSRRB M200-24:- dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH specifications. No. 202, (P.No. 138/ Item No. 18.47)								
	Cum							
		1	18.00	2.80	0.60	30.24		
		1	12.00	2.00	0.60	14.40		
						44.64	843.48	37652.95
Basic Rate	781.00							
Area Weightage @ 8%	62.48							
Total	843.48							
KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
	Cum							
for Compound Wall		1	64.10	0.75	0.80	38.46		
Water tank plat form		1	1.60	1.60	0.45	1.15		
						39.61	204.12	8085.60
Basic Rate	189.00							
Area Weightage @ 8%	15.12							
Total	204.12							
KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
	Cum							
for design tiles		1	7.20	2.60	0.30	5.62		
		1	2.20	1.30	0.30	0.86		
		1	2.15	1.20	0.30	0.77		
		1	9.60	0.70	0.30	2.02		
		1	3.60	0.45	0.30	0.49		
		1	8.40	3.00	0.30	7.56		
for side concrete		1	3.10	1.20	0.30	1.12		
		1	10.00	0.90	0.30	2.70		
		1	10.00	1.00	0.30	3.00		
		1	7.20	1.00	0.30	2.16		
		1	2.90	2.00	0.30	1.74		

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
market inside road		1	20.00	4.20	0.30	25.20		
						53.23	169.56	9025.00
Basic Rate	157.00							
Area Weightage @ 8%	12.56							
Total	169.56							
KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
	Cum							
			Qty Vide Item No.1+2+3			137.48	100.00	13747.80
Average Weight of Earth 1.28 Tonne/Km								
Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
Add loading and unloading Item No 17.1)	68.00							
Total	100.00							
5 KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	Cum							
for Compound Wall		1	64.10	0.75	0.15	7.21		
for design tiles		1	7.20	2.60	0.15	2.81		
		1	2.20	1.30	0.15	0.43		
		1	2.15	1.20	0.15	0.39		
		1	9.60	0.70	0.15	1.01		
		1	3.60	0.45	0.15	0.24		
		1	8.40	3.00	0.15	3.78		
Water tank platform		1	1.55	1.60	0.15	0.37		
market inside road		1	20.00	4.20	0.15	12.60		
						28.84	5256.36	151584.22
Basic Rate	4867.00							
Area Weightage @ 8%	389.36							
Total	5256.36							
6 KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)								
	Cum							
for Compound Wall		1	64.10	0.60	0.45	17.31		
Water tank platform		1	1.55	1.60	0.80	1.98		
						19.29	4521.96	87233.13
Basic Rate	4187.00							
Area Weightage @ 5%	334.96							
Total	4521.96							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.13)								
	Cum							
for Compound Wall		1	64.10	0.45	0.45	12.98		
						12.98	6019.92	78140.00 ✓
Basic Rate	5574.00							
Area Weightage @ 8%	445.92							
Total	6019.92							
KSRB 5-14.1 : Providing and constructing load bearing wall with solid cement concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/m2 conforming to I.S.2185 (part1): 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour charges, scaffoldings, curing hire charges of machineries etc.,complete as per specifications. KBS No.5.4 -do-with solid concrete blocks of size 400x150x200mm (Page No.25 / Item.No.5.27.2)								
for Compound Wall	Sqm							
		1	8.90		1.60	14.24		
		1	16.90		0.40	6.76		
		1	4.40		0.60	2.64		
		1	4.30		1.45	6.24		
		1	7.60		0.75	5.70		
		1	22.00		1.60	35.20		
						70.78	897.48	63519.00 ✓
Basic Rate	831.00							
Area Weightage @ 8%	66.48							
Total	897.48							
KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to Stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing etc.,complete as per specifications (Page No.114/Item No.15.18)								
	Sqm							
for water tank platform		2	1.55		0.90	2.79		
		2	1.60		0.90	2.88		
for compound wall		2	8.90		1.60	28.48		
		2	16.90		0.40	13.52		
		2	4.40		0.60	5.28		
		2	4.30		1.45	12.47		
		2	7.60		0.75	11.40		
		2	22.00		1.60	70.40		
						147.22	279.72	41180.00 ✓
Basic Rate	259.00							
Area Weightage @ 8%	20.72							
Total	279.72							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.21 (P.15 / I.4.31)								
	Sqm							
plinth beam		2	64.10		0.20	25.64		
						25.64	316.44	8113.52
Basic Rate	293.00							
Area Weightage @ 8%	23.44							
Total	316.44							
11 Providing & laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs , with 20mm and down size graded granite metal.coarseaggregated @ 0.69cum ,and fine aggregated @ 0.460cum, with superplatisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 crns thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.specifications No.KBS 4.1,4.6 (P.No.13/ I.No 4.11)								
	Cum							
plinth beam		1	64.10	0.45	0.20	5.77		
						5.77	6491.88	37451.66
Basic Rate	6011.00							
Area Weightage @ 8%	480.88							
Total	6491.88							
12 KSRB 4.9.2:Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/lt.No.4.46.2 (rates effects from 01-07-2017)								
	tonne							
	60% of Qty Vide Item No.				in Qtl	3.4614		
					in tonne	0.3461	65455.56	22656.79
Basic Rate	60607.00							
Area Weightage @ 8%	4848.56							
Total	65455.56							
13 KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:2:8 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2 (P No. 13 / Item No.4.7)								
	Cum							
for canteen side concrete		1	3.10	1.20	0.15	0.56		
		1	10.00	0.90	0.15	1.35		

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		1	10.00	1.00	0.15	1.50		
		1	7.20	1.00	0.15	1.08		
		1	2.90	2.00	0.15	0.87		
Water tank platform coping		1	1.55	1.60	0.15	0.37		
tank side concrete		1	4.50	1.00	0.15	0.68		
tank side wall		1	2.10	0.15	0.45	0.14		
for compound wall (coping)		1	64.10	0.20	0.10	1.28		
						7.83	5704.56	44660.00
Basic Rate	5282.00							
Area Weightage @ 8%	422.56							
Total	5704.56							
14 Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48)								
	Cum							
market inside road		1	20.00	4.20	0.15	12.60		
						12.60	6349.32	80001.43
Basic Rate	5879.00							
Area Weightage @ 8%	470.32							
Total	6349.32							
15 Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift (P.177/1.22.7)								
	Sqm							
		1	20.00	4.20		84.00		
						84.00	97.20	8164.80
Basic Rate	90.00							
Area Weightage @ 8%	7.20							
Total	97.20							
16 Providing and fixing Granite Benches as per Designs, drawings specification and and direction of Engineer in charge of Work.								
	Sqm							
		8				8.00	10500.00	84000.00
Data Rate	10500							
17 Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer black or blue and inner white layer of approved quality and make conforming to I.S.I./ISO/SSI specifications PWD SR 2012-13 (P.265 / I.N 37.58)								
	Ltr							
		1	1000			1000	6.48	6480.00
Basic Rate	6.00							
Area Weightage @ 8%	0.48							
Total	6.48							

Sl. No.	Description of item	Unit	No.	L	B	D	Qty.	Rate	Amount
18	Providing and fixing M.S. Grill Over existing compound wall as per using 16mm x 16mm M.S square rod at 150mm c/c spacing and 6mmx40mm M.S flats at horizontal and 6mmx12mm M.S flat for ornamental design and providing shop edge design at the vertex on every vertical rods, including welding, grinding, wherever necessary. all the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc. complete. the work includes cost all materials, labour charges for all items of work, hire charges for welding cutting and grinding equipment, and electricity charges, etc., (Page No. 42/ Item No. 7.36)								
	for Compound	sqm							
	W/S		1	8.90					
	Basic Rate	5224.00							
	Area Weightage @ 8%	417.92							
	Total	5641.92							
19	KSRB 14.10-3 : Providing flooring with polished Cadapa slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to the match the shade of the slab, including cost of the labour curing polishing complete as per specifications. (P.N.103 I.N 14.17)								
		Sqm							
			3	3.30	0.75				
	Basic Rate	1106.00							
	Area Weightage @ 8%	88.48							
	Total	1194.48							
20	Providing and laying/fixing cement base precast pre polished cement concrete, designer tiles 25mm thick for flooring confirming to IS 1237 heavy duty tiles for flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement including cost of material, including cutting, grinding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No.109 /It.No.14.62)								
	canteen sides	Sqm							
	for design tiles		4	16.00	0.90				
	Basic Rate	1053.00							
	Area Weightage @ 8%	84.24							
	Total	1137.24							
21	3% for KRIDL Charges								
22	1% for Labour Cess								
23	7% for Applicable GST Charges								
24	Miscellaneous and unforeseen charges	LS							
	Grand Total Amount								
	(Rupees Nine Lakhs and Eighty Five Thousand Only)								

Administrative Sanction for Rs. 985000=0
 Nine Lacs & Fifty Thousand only
 is accorded under head P. 3106
 Nagarahalli grants

No. EE/YN/PA/01/18-19 235
 7.43 1194.48 8869.01
 Executive Engineer

TECHNICAL SANCTION FOR Rs. 985000=0
 Nine Lacs & Fifty Thousand only
 P. 3106. Nagarahalli grants

Registered in City of Bangalore
 Subject to enclosed
 Dt. 57.60 1137.24 65505.02
 Dated 23-05-18 985000=0
 Executive Engineer

CERTIFICATE

- The site has been inspected and the work is found to be necessary.
- The rates adopted are as per PW/P IWTDR of 2016-17 and data rate of Bangalore Circle.
- The provisions were made in this estimate are necessary and adequate.
- The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
 Ward No.01

Assistant Executive Engineer
 Yelahanka Sub-Division
 B.D.M.P

Executive Engineer
 Yelahanka Division
 Yelahanka Zone
 Bruhat Bengaluru Mahanagara Palike
 BANGALORE 560064

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD

©



AREA: 10.1 Sq. km

Category	No. of Properties	Total Area (Sq. m)
Residential	100	10000
Commercial	10	1000
Industrial	5	500
Public Office	2	200
Religious	1	100
Health	1	100
Education	1	100
Other	1	100
Total	120	12000

Total Length of Roads: 10.1 km

Legend

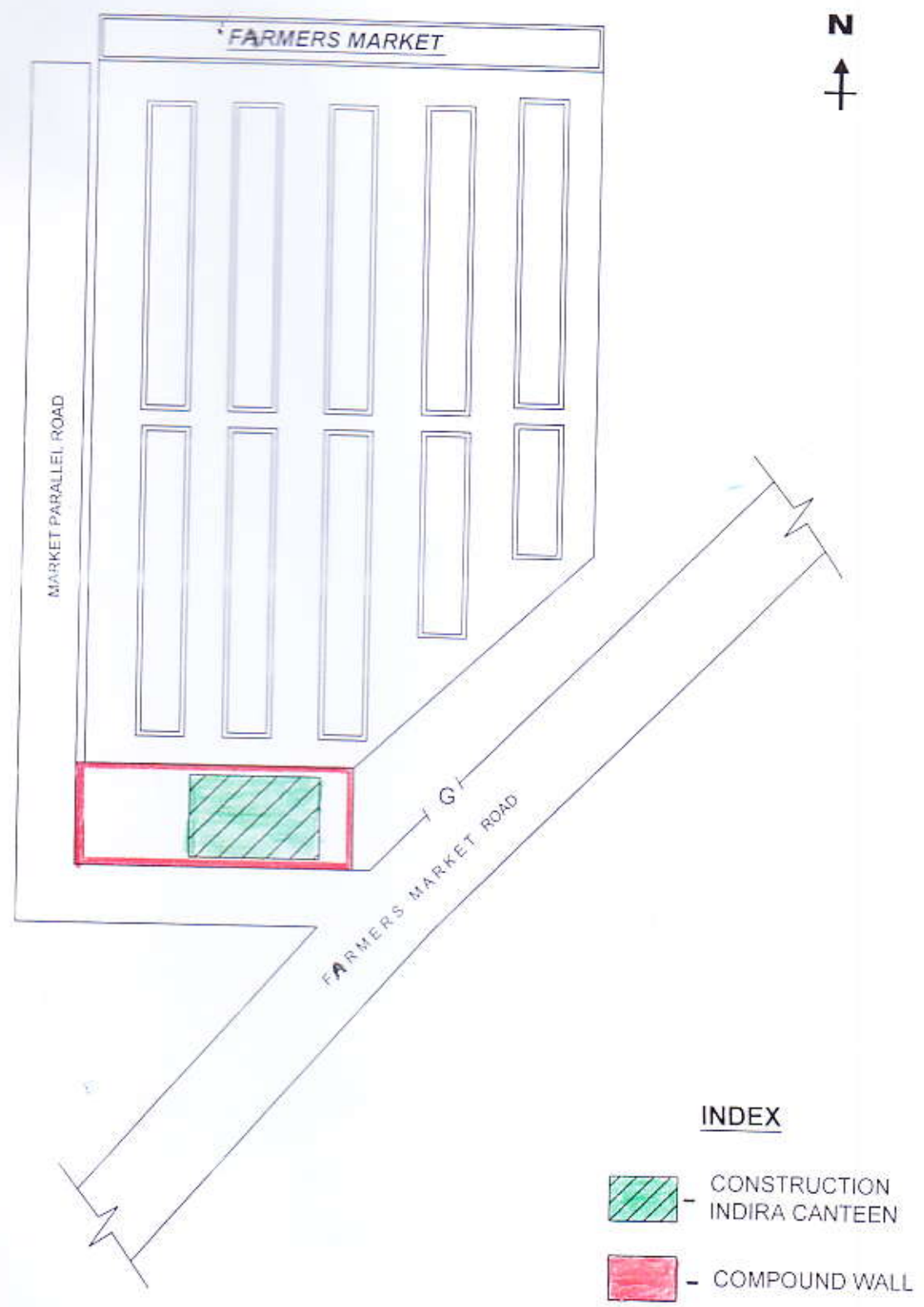
- Major Road
- Intermediate Road
- Minor Road

Assistant Executive Engineer
Yelahanka Sub Division,
B.S.M.P., Bangalore-54.

TO INDIRA CANTEEN

NAME OF WORK : CONSTRUCTION OF COMPOUND WALL AT FARMERS MARKET IN WARD NO.01 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE



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Assistant Engineer
Ward No 01
Kempegowda Ward


Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P